

Thursday, 27/11/2008 3:06:03 PM
User: Linda Lacelle

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services
Job Number : 43834 - 2
Estimate Number : 10857
P.O. Number :
This Issue : 27/11/2008 S.O. No. :
Prsht Rev. : NC
First Issue : 11 Type : MACHINED PARTS
Previous Run : 42439
Written By :
Checked & Approved By :
Comment : Est Rev:A 05-10-18 New issue KJ/EC
Est Rev:B Now on Doosan 08-05-14 JLM Verified By:DD
Est Rev:C 08-08-12 revE as per dwg (ecn 08-507) DD verified by:EC

Drawing Name : STEM
Part Number : D34077
Drawing Number : D3407 REV E
Project Number : N/A
Drawing Revision :
Material :
Due Date : 04/12/2008 Qty: 10 Um: Each

*split 10.
38 split 28*

Additional Product

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 M174R0750 17-4 round bar .750



Comment: Qty.: 0.3843 f(s)/Unit Total: 3.8430 f(s)
Material: 17-4ph SS Round Bar Ø0.750(M17-4-R0.750)
Identify for D3407-7
Batch: M109478

SD 08/12/03

2.0 DOOSAN LATHE DOOSAN LATHE



Comment: DOOSAN CNC LATHE

1-Turn as per Folio FA N/A Rev: N/A & Dwg D3407 Rev: E

2-Deburr

SD 08/12/03

3.0 QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

SD 08/12/03

4.0 QC8

SECOND CHECK



Comment: SECOND CHECK

mk 08/12/06

5.0 PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: CANL

08/12/08

10

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: STEM

Job Number: 43834

Part Number: D34077

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC21

FINAL INSPECTION/W/O RELEASE



08/12/08 *HL*

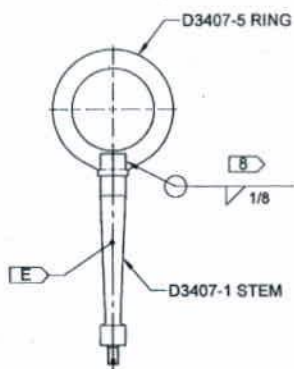
Comment: FINAL INSPECTION/W/O RELEASE

Job Completion

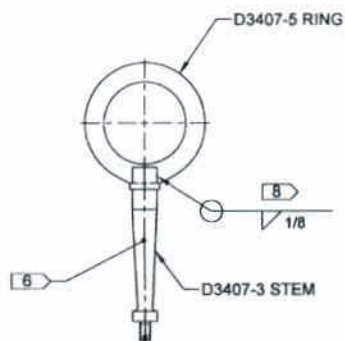


MF 08-12-08

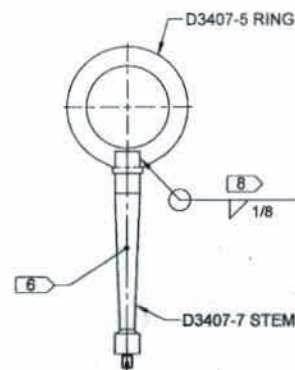
QTY -041	QTY -043	QTY -045	PART NUMBER	DESCRIPTION
X			D3407-041	TOW RING
	X		D3407-043	TOW RING
		X	D3407-045	TOW RING
1			D3407-1	STEM
	1		D3407-3	STEM
1	1	1	D3407-5	RING
		1	D3407-7	STEM



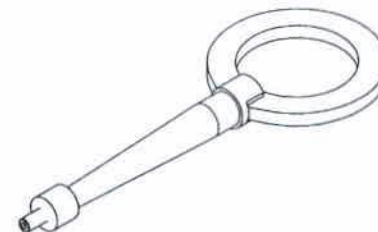
D3407-041 TOW RING



D3407-043 TOW RING



D3407-045 TOW RING



RELEASED

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3 (EXCEPT THREADS)
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3407-XXX" USING BLACK FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: D3407-041 - 0.60 lbs, D3407-043 - 0.53 lbs, D3407-045 - 0.61 lbs
- 8) WELD PER DART QSI 004 ON ALL EDGES BETWEEN STEM AND RING

REV.	DESCRIPTION	BY	DATE
E	ADD D3407-045 (ZN B2-1, D8-1); ADD D3407-7 (ZN B6-5); REVISED NOTE 6 TO ADD IDENTIFICATION (ZN A5-1); REASON: PRODUCTION FACILITY	PH	08.07.23
D	D3407-1/3 SLOT WAS ROUND NOW FLAT FOR ASSEMBLY WITH D3407-5 (ZN C2-2, C2-3); D3407-5 WAS ROUND NOW FLAT ON ONE END FOR ASSEMBLY WITH D3407-1/3 (ZN B6-4); REASON: PRODUCTION FACILITY	PH	08.04.07
C	-1/3 LONGER FOR FIT WWASHER	CP	05.09.09
B	UPDATE DIAMETER, THREAD CLASS ADDED	CP	05.06.17
A	NEW ISSUE	CP	05.03.16
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	08.07.23		

DART AEROSPACE USA, INC.
PORT HADLOCK, WA

DRAWING NO. **D3407** REV. E
SHEET 1 OF 5
TITLE **TOW RING** SCALE NTS

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Mo 43834

DART AEROSPACE LTD

Work Order: 43834

Description: Stem

Part Number: 3407-7

Inspection Dwg:

Rev: E

Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST



First Article



Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
.063	$\pm .010$	.063	/			
1/428 UNF	Max. .2665 Min. .2635	.2655	/			
Major Ø	Max. .249 Min. .2425	.246	/			
Ø .625	$\pm .006$ $\pm .010$	.626	/			
Ø .750	$\pm .006$ $\pm .010$	.751	/			
.150	$\pm .010$	.150	/			
.550	$\pm .010$	.551	/			
.500	$\pm .010$	.500	/			
3.500	$\pm .010$	3.500	/			
4.500	$\pm .010$	4.500	/			
5.700	$\pm .010$	5.400	/			
.500	$\pm .010$	.495	/			
.350	$\pm .010$	.351	/			
.625	$\pm .010$	.626	/			
.250	$\pm .010$	.252	/			

Measured by: SA

Date: 08/12/03

Audited by: [Signature]

Date: 08/12/06

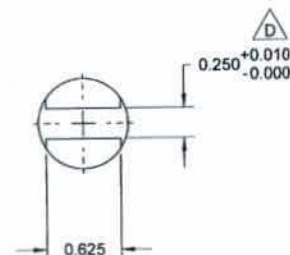
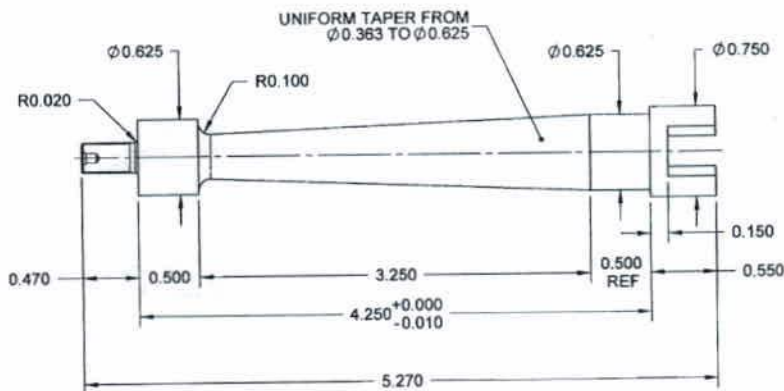
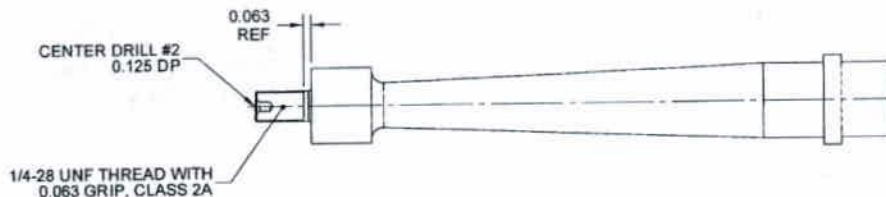
Prototype Approval:

N/A

Date:

N/A

Rev	Date	Change	Revised by	Approved
A		New Issue	KJ/JLM	



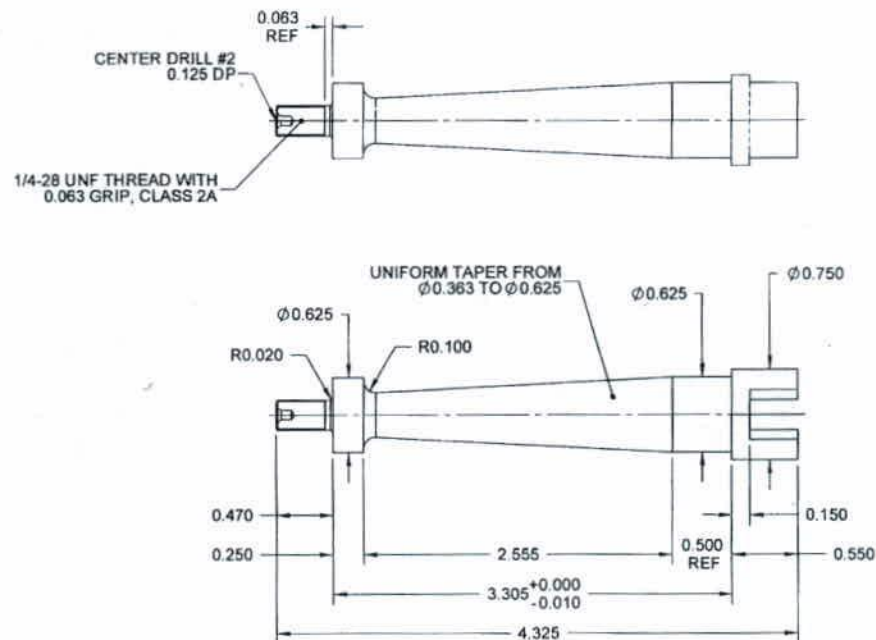
D3407-1 STEM

RELEASED

NOTES:

- 1) MATERIAL: 17-4 PH SS ROUND BAR PER AMS 5643 (REF. DART SPEC M17-4-R)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: MACHINE ALL INSIDE EDGES WITH A 0.010 RADIUS
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.33 lbs

DESIGN		DART AEROSPACE USA, INC.	
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CHECKED		DRAWING NO.	REV. E
MFG. APPR.		D3407	SHEET 2 OF 5
APPROVED		TITLE	SCALE
DE APPR.		TOW RING	NTS
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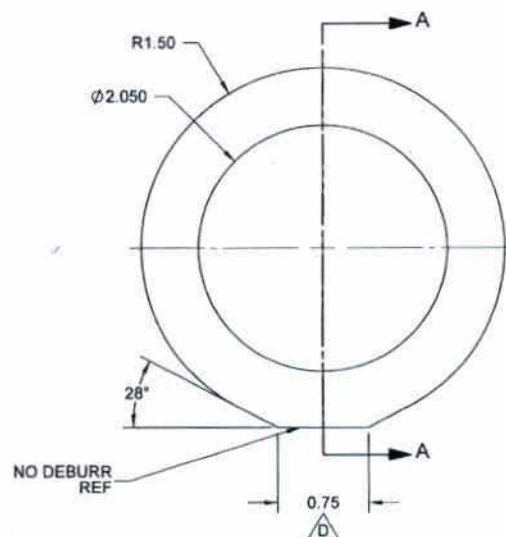
D3407-3 STEM

NOTES:

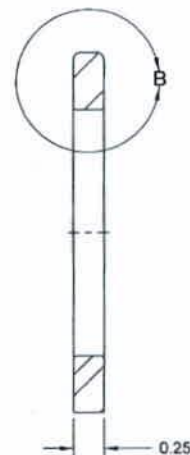
- 1) MATERIAL: 17-4 PH SS ROUND BAR PER AMS 5643 (REF. DART SPEC M17-4-R)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: MACHINE ALL INSIDE EDGES WITH A 0.010 RADIUS
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.27 lbs

RELEASED
08-03-01 R/P

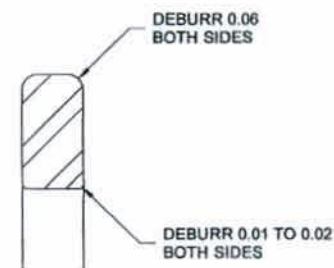
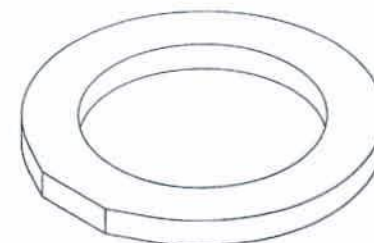
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D3407-5 RING



SECTION A-A



**DETAIL B
SCALE 2X**

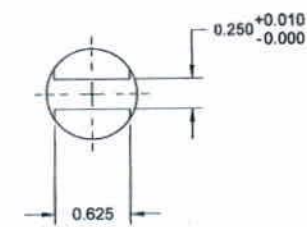
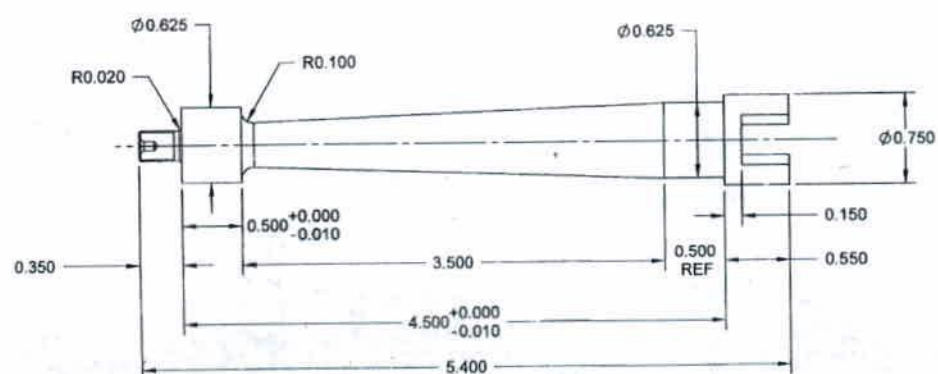
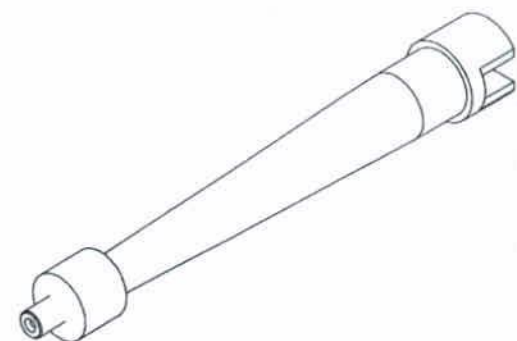
RELEASED
06-06-01AW

- NOTES:**
- 1) MATERIAL: 17-4 PH SS BAR PER AMS 5604/5643 (REF. DART SPEC M17-4-B)
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.27 lbs

w/o 43834

DESIGN	42	DART AEROSPACE USA, INC.	
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MFG. APPR.		D3407	SHEET 4 OF 5
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W/ 43834



D3407-7 STEM

RELEASED

- NOTES:**
- 1) MATERIAL: 17-4 PH SS ROUND BAR PER AMS 5643 (REF. DART SPEC M17-4-R)
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: MACHINE ALL INSIDE EDGES WITH A 0.010 RADIUS
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.34 lbs

DESIGN	AJS	DART AEROSPACE USA, INC.	
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CHECKED		DRAWING NO.	REV. E
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